

**REMARKS**

The Office Action mailed June 30, 2004, has been carefully reviewed and the following remarks have been made in consequence thereof.

Claims 1-28 are pending in this application. Claims 1-28 are subject to a Restriction Requirement.

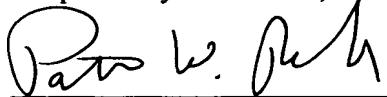
The Office has asserted that there are two groups of claims in this application. The first Group, Group I, contains Claims 1-10, drawn to implementing a pulse width modulated current regulator. The second Group, Group II, contains Claims 11-28, drawn to a reducing thermal dissipation by implementing a circuit comprising a drive circuitry, output circuitry, a feedback amplifier and an error amplifier.

In response to the Restriction Requirement set forth in the Office Action, Applicants, with traverse, elect for prosecution in this application all claims belonging to Group II, i.e., Claims 11-28.

Reconsideration of the Restriction Requirement imposed under 35 U.S.C. § 121 is respectfully requested. . Additionally, requirements for election are not mandatory under 35 U.S.C. 121. The requirement for election is traversed because the inventions set out by the claims in Groups I, and II, are clearly related. Applicants submits that a thorough search and examination of any claim group would be relevant to the examination of the other group and would not be a serious burden on the Examiner. For at least the reasons set forth above, Applicant respectfully requests that the Restriction Requirement be withdrawn.

In view of the foregoing remarks, all the claims now active in this application are believed to be in condition for allowance. Reconsideration and favorable action with respect to all the pending claims is respectfully solicited.

Respectfully Submitted,



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